SUDBURY-ASSABET-CONCORD RIVER WATERSHED

ACTION PLAN

Prepared in Conjunction with the 5-Year Watershed Assessment Report

Prepared for the Massachusetts Executive Office of Environmental Affairs



Prepared By:

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SuAsCo Watershed Community Council



1 Sudbury-Assabet-Concord River Watershed Action Plan Vision Statement

The purpose of this 5-Year Watershed Action Plan for the Sudbury-Assabet-Concord River (SuAsCo) Watershed is to identify critical natural resource problems, propose appropriate responses, and chart a course of action for working together to achieve the watershed-wide goals listed below. Although it is recognized that fulfillment of the watershed-wide goals will take longer than the five years of this Action Plan, the Plan provides an important stepping stone towards the achievement of this watershed vision.

To protect natural resources, decisions and actions must be informed by a watershed perspective. Collaboration among local, state, federal and regional government, businesses, academia, nonprofit and environmental organizations, and residents is vital in order to achieve these watershed goals.

1.1 SuAsCo Watershed-Wide Problems:

- Nutrient pollution in the waterways of the SuAsCo, particularly the Assabet River and Hop Brook in Marlborough and Sudbury
- Depletion of aquifers, wetlands, ponds, rivers and streams by groundwater withdrawal and lack of sufficient recharge
- Loss of biodiversity caused by invasive species and habitat destruction
- Habitat fragmentation such as by dams, culverts, and highways
- Loss of lands with high conservation and recreation value due to misplaced development
- Environmental contamination by toxic substances

1.2 SuAsCo Watershed-Wide Goals:

- ➤ Management Goal: an active, cooperative, and communicative Watershed Community where collaboration is facilitated among all stakeholders
- > Growth and Development Goal: "smart growth" throughout the Watershed: well-planned, responsible development that results in sustainable resource use through efficiency, conservation, education, and community building
- Water Quality Goal: a fishable, swimmable Sudbury, Assabet, and Concord River
- ➤ Water Quantity Goal: ample and sustainable surface and groundwater to support river-dependent wildlife, and recreation and other human uses
- ➤ Land Protection/Open Space Goal: preserved natural green areas at a significant scale that have value for habitat, recreation, scenery, water recharge, ecological uses, and/or historic significance
- ➤ Habitat/Biodiversity Goal: healthy, diverse natural communities of native species linked by corridors that preserve ecological integrity
- Outreach and Education Goal: public awareness and appreciation of the SuAsCo Watershed's valuable natural resources and the strategies to protect them
- > Recreation Goal: opportunities for people to enjoy the SuAsCo Watershed's natural attributes consistent with the needs of wildlife and other competing needs and uses

2 SuAsCo Watershed Priority Actions

2.1 Overall Actions

Implement the SuAsCo Watershed Action Plan (WAP), revisit the SuAsCo WAP regularly, revise as needed, and use as a "yardstick" for tracking watershed progress

2.2 Growth and Development Actions

- Encourage communities to adopt local Low Impact Development (LID) bylaws
- Encourage municipal boards to talk and work together within and across municipal boundaries
- Encourage smart growth throughout the Watershed by requiring developers to conduct a cumulative impact study on proposed developments, assessing cumulative impacts from development projects, and creating developer incentives for doing greenway design

2.3 Water Quality Actions

- Explore innovative wastewater treatment technologies and seek federal funding to support such strategies in order to cost-effectively decrease wastewater effluent concentrations
- ➤ Create incentives for constructing septic systems and small package plants rather than large, municipal centralized systems with the goal of "keeping water local"
- Continue to identify all toxic waste sites in the Watershed and track their clean up
- > Perform stream team surveys and notify property owners and local conservation commissions of infractions of wetlands and river regulations
- Create local bylaws to minimize use of lawn fertilizers, pesticides, and herbicides, and encourage appropriate depth of loam, especially in new developments
- ➤ Conduct TMDL studies by tributary watershed, where necessary, and implement results of all TMDL studies

2.4 Water Quantity Actions

- ➤ Continue research studies on water balance (aquifer inflow/outflow) on all three rivers and identify smaller sub-basins that are highly stressed
- Educate about and encourage the use of landscaping options that require less water, e.g., create local bylaws to limit sprinkler use and the installation of private wells for lawn watering
- Regionalize the allocation of water resources so as to allot sustainable quantity to meet water requirements for human and commercial consumption and aquatic habitat in each subbasin
- Conduct research to determine ecological flow regimes that maintain the physical, chemical and biological integrity of rivers and streams; and model natural stream flow regimes
- Provide funding and technical assistance to municipalities to aid implementation of the Massachusetts Water Policy

2.5 Land Protection/Open Space Actions

- Increase local, state, and federal funding for land acquisition and protection
- ➤ Identify priority lands for protection through the use and coordination of the existing

- Biodiversity Plan, Greenprint for Growth, and other data sources such as aquifer recharge area maps
- Encourage municipalities to pass the Community Preservation Act (CPA)

2.6 Habitat/Biodiversity Actions

- > Increase funding for land/habitat acquisition and increase stewardship with emphasis on biodiversity, habitat corridors, and river continuity
- Make culverts and bridges fish- and wildlife- friendly when they are replaced
- Overlay biodiversity and greenways plans over source water protection maps to identify priority parcels for protection
- > Define, assess, and control the occurrence and impact of invasive species
- Install fish passages or remove dams to allow for anadromous fishery return

2.7 Outreach and Education Actions

- Educate homeowners, businesses and all property owners on riparian buffers, lawn care, vegetative plantings, over watering, etc.
- > Create a Best Management Practices Workbook on water pollution reduction, and educate communities regarding those practices
- Embark on a public education campaign on water conservation
- Embark on a public education campaign on stormwater best management practices

2.8 Recreational Opportunities Actions

- ➤ Connect missing links along the Bay Circuit trail, the Concord River Corridor trail, rail trails, and trails to tributary connections with sensitivity to their context
- Assess and manage recreational impacts on the environment and natural resources
- > Preserve riparian land for recreational uses such as open space, access, fishing

3 SuAsCo Watershed Priority Action Details

The Watershed priority details have been presented in matrix format to allow for easier review and comparison. Notes regarding the information in the Action Matrices:

- the list of participants is not intended to be comprehensive, and is intended to be interpreted broadly (for instance, "environmental organizations" may include watershed groups, land trusts, etc.)
- the list of participants for some actions include specific organizations or agencies when appropriate
- the list of possible funding sources are not intended to be comprehensive
- the potential tasks listed are neither comprehensive nor prioritized, but are intended as suggestions and starting points; many of the potential tasks were recommended by the public in the River Visions 2005 workshops.

3.1 OVERALL ACTIONS

➤ Goal: an active, cooperative, and communicative Watershed Community where collaboration is facilitated among all stakeholders through vehicles such as the SuAsCo Watershed Community Council

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Implement the SuAsCo Watershed Action Plan, revisit the SuAsCo WAP regularly, revise as needed, and use as a "yardstick" for tracking watershed progress	All watershed stakeholders as outlined throughout the Plan with the SuAsCo Watershed Community Council (WCC) serving a facilitative role where possible	Sources: As outlined throughout the Plan	Throughout the 5-year timeframe	Promote coordination and communication among all watershed stakeholders; Hold collaborative meetings; Share technical assistance, model bylaws, and other information through listserves, websites, periodic meetings, workshops, etc.; Measure progress on priority actions; Lobby for and seek funding for implementation of priority actions; Form a Task Force to meet quarterly to discuss WAP progress, specifically implementation issues and funding sources

3.2 GROWTH & DEVELOPMENT ACTIONS

➤ Goal: "smart growth" throughout the Watershed: well-planned, responsible development that results in sustainable resource use through efficiency, conservation, education, and community building

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
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Encourage communities to	Municipal Planning	Municipal; State operating	Already underway and to	Identify LID guidelines
adopt local Low Impact	Boards; Conservation	budget and grants; Federal	continue throughout the 5-	and create model LID
Development (LID)	Commissions; Public	grants	year timeframe	bylaws for appropriate
bylaws	Work Departments		3	densities and locations;
	(DPWs); Boards of Health;			Assist communities to
	Regional Planning			adopt LID bylaws
	Agencies; MA EOEA LID			
	Working Group; Regional			
	collaborative groups such			
	as SuAsCo WCC, MA			
	Association of			
	Conservation			
	Commissions, MA			
	Municipal Association,			
	MetroWest Growth			
	Management Committee,			
	MAGIC, Wild & Scenic			
	River Stewardship			
	Council; Land trusts			
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Encourage municipal	Municipal boards and	Municipal; Businesses;	Already underway and to	Establish a resource of
boards to talk and work	staff; Regional	Foundation grants	continue throughout the 5-	models, data, reports, etc.
together within and across	collaborative groups such	_	year timeframe	for communities to access
municipal boundaries	as MAGIC, MWGMC,			and use; Use intra and inter
	SuAsCo WCC, Wild &			municipal websites for
	Scenic River Stewardship			distribution of information
	Council, Assabet			regarding development(s);
	Consortium,			Regional organizations
	495/MetroWest Corridor			host inter-municipal
	Partnership			workshops

ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Encourage smart growth throughout the Watershed by requiring developers to conduct a cumulative impact study on proposed developments, assessing cumulative impacts from development projects, and creating developer incentives for doing greenway design	Municipalities; Developers; Regional organizations	Municipal; State; Developers	Start immediately and continue as an ongoing effort	Create a development assessment model which includes all impacts of development including fiscal (such as cost of providing municipal services), environmental (such as water use, stormwater impacts), transportation, etc.; Developers apply model to assess cumulative impacts; Provide information and model results to abutters and municipal boards; Create greenway design incentives for developers through bylaws, planning board review, etc.

3.3 WATER QUALITY ACTIONS

➤ Goal: a fishable, swimmable Sudbury, Assabet, and Concord River

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
		Sources:		
Explore innovative	Federal such as EPA; State	Federal; State; Municipal;	Already underway and	Monitor success of CoMag
wastewater treatment	such as DEP;	Businesses; Foundation	to continue throughout	demonstration and full-scale
technologies and seek	Municipalities;	grants	the 5-year timeframe	expansion in Concord; Lobby for
federal funding to support	Environmental			State and Federal funding for
such strategies in order to	organizations; Wastewater			innovative technology research
cost-effectively decrease	treatment engineering			and demonstration projects for
wastewater effluent	firms and consultants			wastewater treatment
concentrations				
ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
		Sources:		
Create incentives for	State such as DEP and	Federal; State; Municipal;	As funding becomes	Create incentives for constructing
constructing septic systems	EOEA; Municipalities;	Businesses; Foundation	available during the 5-	septic systems and small package
and small package plants	Environmental	grants	year timeframe	plants in new developments;
rather than large,	organizations; Wastewater			Draft bylaws to encourage proper
municipal centralized	treatment engineering			maintenance of septic systems
systems with the goal of	firms and consultants			and discourage hook up to
"keeping water local"				centralized systems
ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
		Sources:		
Continue to identify all	State such as DEP; Federal	Federal Superfund	Already underway and	Hold public forums on clean up
toxic waste sites in the	such as EPA;	Program; State; Municipal;	to continue throughout	goals and progress on toxic waste
Watershed and track their	Municipalities such as	Businesses; Foundation	the 5-year timeframe	sites in Watershed; Establish
clean up	Boards of Health;	grants		Technical Advisory Committees
	Businesses; Environmental			for each toxic waste site and
	organizations; Regional			establish communication
	organizations such as			channels and meetings between
	SuAsCo WCC			the committees

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Perform stream team surveys and notify property owners and local conservation commissions of infractions of wetlands and river regulations	Municipalities; MA Riverways Program; Stream teams; Watershed and river organizations	Sources: State grants; Foundation grants; Municipal	Already underway and to continue throughout the 5-year timeframe	Create a database of stream team survey results; Support increased funding for Riverways Program; Re-do stream team surveys that are more than 10 years old; Conduct stream team surveys on unsurveyed portions of tributaries and rivers; Require/encourage developers to help fund stream team surveys
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Create local bylaws to minimize use of lawn fertilizers, pesticides and herbicides, and encourage appropriate depth of loam, especially in new developments	Municipalities and MACC; Landscapers; Garden centers; Environmental organizations; Regional organizations	Municipal; Businesses; Foundation grants	During the 5-year timeframe as funding becomes available	Create local bylaws to minimize use of lawn fertilizers, pesticides and herbicides, and encourage appropriate depth of loam, especially in new developments; Promote IPM techniques; Conduct research on turf grass BMPs (see Appendix for turf grass BMP research draft)
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Conduct TMDL studies by tributary watershed, where necessary, and implement results of all TMDL studies	USGS; US Army Corps of Engineers; US EPA; MA DEP; Municipalities; NPDES permit holders; Environmental consulting firms; Environmental organizations	Federal; State	Already underway and to continue throughout the 5-year timeframe	Conduct TMDL studies where appropriate; Implement TMDL study results; Track implementation success and monitor for improvements in water quality

3.4 WATER QUANTITY ACTIONS

➤ Goal: ample and sustainable surface and groundwater to support river-dependent wildlife, and recreation and other human uses

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
		Sources:		
Continue research studies	USGS; MA DCR;	State; Federal;	Assabet River	Complete USGS study on Sudbury River;
on water balance (aquifer	SuAsCo WCC; MA	Foundation grants;	done already;	Conduct USGS study on Concord River; Conduct
inflow/outflow) on all	Riverways RIFFLES	Businesses; in-kind	Sudbury River in	additional scenarios on the Assabet, Sudbury and
three rivers and identify	Program;	monitoring help	process; Need	Concord Rivers; Focus additional USGS studies
smaller sub-basins that are	Municipalities;	from volunteers	more funding for	on sub-basin tributaries of the Sudbury, Assabet
highly stressed	Watershed and river		Sudbury River	and Concord Rivers; Work with Riverways
	organizations such as		MESO Habitat	Riffles Program to assist volunteers from stream
	OAR and SRWO		study; Start	teams, watershed organizations and river groups
			Concord River	to monitor flow on tributaries; Form a Task Force
			when the Sudbury	to meet quarterly to discuss implementation issues
			is finished	and funding sources

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
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Educate about and encourage the use of landscaping options that require less water, e.g., create local bylaws to limit sprinkler use and the installation of private wells for lawn watering	Businesses, specifically landscapers, garden centers, and developers; Municipalities including DPW, Water Departments, and Schools; Cooperative Extension Service; Environmental organizations; Cable Networks and Local Access	Sources: Municipal; Businesses; MA EOEA; Foundation grants	Already underway and to continue throughout the 5-year timeframe	Businesses educate customers through workshops and flyers (ex: Russell's Garden Center holds workshops and hands out flyers on water conservation); Assist local Water Departments to: enforce local water bans, and send out educational flyers on water conservation with water bills, including why wise water use is important to stream flow and tips on proper lawn watering techniques; Encourage dialogue between landscapers, Water Departments and DPWs on local water issues; Hold workshops to educate municipal employees on water issues; Use Cable network and local access to distribute water conservation information; Educate students on water conservation as part of school curriculum; Create bylaws to limit sprinkler use and to disallow the installation of private wells for lawn watering; Local Water Departments work with homeowners to retrofit all outside lawn watering systems with moisture censors; Encourage the
ACTION:	Dantisinants	Doggible Funding	Timeline:	practice of "water harvesting" (ex: rain barrels)
ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Regionalize the allocation of water resources so as to allot sustainable quantity to meet water requirements needed for human and commercial consumption and aquatic habitat in each subbasin, i.e. manage water use, demand and source withdrawal so that human (residential and business) and ecological needs are both met	State; Municipalities; RPAs; SuAsCo WCC; Environmental organizations; Regional organizations	Sources: State; Municipal; Foundation grants	Efforts already underway and to continue throughout the 5-year timeframe	Implement study results on water balance allocation through well permits and other requirements; Coordinate water management permits across municipal boundaries

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Conduct research to determine ecological flow regimes that maintain the physical, chemical and biological integrity of rivers and streams; and model natural stream flow regimes	USGS; MA DCR; SuAsCo WCC; MA Riverways: RIFFLES Program; Watershed and River Organizations such as SRWO and OAR; Municipalities	Sources: State; Federal; Foundation grants; Businesses; in-kind monitoring help from volunteers	Already underway and to continue throughout the 5-year timeframe	Continue research on ecological flow regimes (physical, chemical and biological characteristics) of rivers and streams in SuAsCo Watershed; Conduct modeling of natural stream flow regimes of rivers and streams in SuAsCo Watershed and compare to State standards
ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Provide funding and technical assistance to municipalities to aid implementation of the Massachusetts Water Policy	Municipalities; RPAs; SuAsCo WCC; Environmental consultants; Environmental organizations	Sources: Municipal; State; Foundation grants	Already underway and to continue throughout the 5-year timeframe	Water Departments conduct periodic water audits; Hold workshops and conferences to help municipalities with implementation of the MA Water Policy goals; Create media outreach toolkit and hook into MA Watershed Coalition "Water Web"; SuAsCo WCC and other organizations provide technical assistance and policy feedback to municipalities

3.5 LAND PROTECTION/OPEN SPACE ACTIONS

➤ Goal: preserved natural green areas at a significant scale that have value for habitat, recreation, scenery, water recharge, ecological uses, and/or historic significance

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Increase local, state, and federal funding for land acquisition and protection	Municipalities; State Legislature; Land trusts; Local open space and land preservation committees; Agricultural Commission; Farmers; Large landowners	Sources: State Environmental Bond; CPA; self-help grants	As funding becomes available – expected to take between 1 and 5 years to complete	Restore Bond cap for land conservation to \$50 million per year; Create a Green Budget for stewardship; Increase funding for fish and wildlife agencies; Lobby State to increase annual cap on self-help grants by 3 to 4 times; Increase and promote dialogue between municipal officials and residents about land protection; Create forums to educate and market local businesses and residents about benefits of land protection to the local economy; Develop "best practices" manual on collaborative land protection

ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Identify priority lands for protection through the use and coordination of the existing Biodiversity Plan, Greenprint for Growth, and other data sources such as aquifer recharge area maps	Municipalities; State government; Federal government; Land trusts; Environmental organizations	State; Foundation grants	As funding becomes available – expected to take one year to complete	Identify priority lands for protection using the Biodiversity Plan, Greenprint for Growth, and other data sources such as aquifer recharge area maps; Make priority lands information available to communities and land protection organizations; Coordinate use of land protection information
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Encourage municipalities to pass the Community Preservation Act (CPA)	Municipalities; Land Trusts; Local open space and land preservation committees; Environmental organizations; Historical organizations; Housing advocacy groups; CPA Coalition; RPAs	Municipal; Foundation grants	Already underway and to continue throughout the 5-year timeframe	Hold forums on benefits of CPA and municipal experiences in passing CPA (such as the Forum sponsored by MAPC, MAGIC, MWGMC and others held in Framingham on March 31, 2005); Foster a dialogue through meetings, e-mails, etc. among municipalities in the SuAsCo Watershed on CPA benefits

3.6 HABITAT/BIODIVERSITY ACTIONS

➤ Goal: healthy, diverse natural communities of native species linked by corridors that preserve ecological integrity

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
	-	Sources:		
Increase funding for	Municipalities; Land	Federal; State;	Efforts already	Convene a working group to compare and
land/habitat acquisition	trusts; MA Department of	Municipal;	underway and to	strengthen stewardship strategies; Lobby
and increase stewardship	Fisheries and Wildlife;	Foundation grants;	increase throughout	State and Federal government to increase
with emphasis on	MA Department of	private dollars	the 5-year timeframe	funding for land/habitat acquisition; Start
biodiversity, habitat	Conservation and			an education campaign on the meaning
corridors, and river	Recreation; Federal			and importance of biodiversity, habitat
continuity	National Park Service;			corridors, and river continuity; Increase
	Federal Fish & Wildlife			hosts, activities, and participants in
	Service; Federal Natural			Annual Biodiversity Days
	Resource and			
	Conservation Service and			
	local soil conservation			
	commissions;			
	Environmental			
	organizations			
ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
N/ 1 1 1 11 11	MAII D	Sources:	A1 1 1	B: 0: 11: 0 '1 ':
Make culverts and bridges	MA Highway Department;	Federal; State;	Already underway	River Stewardship Council continue to
fish- and wildlife- friendly	MA Riverways Program;	Municipal;	and to continue	comment on bridge and culvert
when they are replaced	Federal National Park	Foundation grants	throughout the 5-	replacements within the Wild and Scenic
	Service; Federal Fish & Wildlife Service;		year timeframe	area; Form a committee to review new
				bridge and culvert proposals not in the
	Municipalities; Environmental			River Stewardship Council jurisdiction; Submit review comments and
	organizations; Regional			recommendations to municipal, state
	organizations, Regional organizations such as Wild			and/or federal authority overseeing the
	& Scenic River			construction
	Stewardship Council			Constitution
	ote wardship Council			

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Overlay biodiversity and greenways plans over source water protection maps to identify priority parcels for protection	Land trusts; Municipalities; State; Environmental organizations	Sources: State; Municipal; Foundation grants	As funding becomes available	Overlay biodiversity and greenways plans over source water protection maps to identify priority parcels for protection; Make priority parcel list available to communities and land protection organizations
ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Define, assess, and control the occurrence and impact of invasive species	Regional organizations such as Wild & Scenic River Stewardship Council; Municipalities such as Conservation Commissions; State; Land trusts; New England Wildflower Society; New England Invasive Plant Group; MA Invasive Plant Advisory Group; Garden centers; Environmental organizations such as HBPA	Sources: Federal; State; Municipal; Foundation grants	Already underway and to continue throughout the 5-year timeframe	Lobby for legislation and/or bylaws to make it illegal to distribute invasive species; Study distribution and density of invasive species in SuAsCo habitats; Hold weed harvesting, hand pulling, and other invasive eradication activities; Coordinate resource-sharing, mapping and publicity on a watershed scale
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Install fish passages or remove dams to allow for anadromous fishery return	US Fish & Wildlife Service; MA Fish & Wildlife Service; MA Riverways Program; Municipalities; RPAs; Businesses; Dam owners; Environmental organizations; Historical organizations	Federal; State; Businesses; Foundation grants; private dollars	Already underway and to continue throughout the 5-year timeframe	Continue stocking of anadromous fishery; Continue volunteer monitoring of stocking success; Evaluate need and explore physical and fiscal feasibility of fish passage installation at specific dams; Encourage dialogue on pros and cons of dam removal where appropriate

3.7 OUTREACH & EDUCATION ACTIONS

➤ Goal: public awareness and appreciation of the SuAsCo Watershed's valuable natural resources and the strategies to protect them

ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Educate homeowners,	Local Conservation	Foundation grants	Already underway and to	Hold workshops for
businesses and all property	Commissions; MA and	1 oundation grants	continue throughout the 5-	homeowners, businesses
owners on riparian buffers,	Local Park and Recreation		year timeframe	and all property owners on
lawn care, vegetative	Departments, Ecological		year timerranie	riparian buffers, lawn care,
plantings, over watering,	Landscaping Association;			vegetative plantings, over
etc.	Garden centers; Federal			watering, etc.; Apply IPM
etc.	Natural Resource and			Best Management
	Conservation Service and			Practices; Distribute
	local soil conservation			educational information on
	commissions; EOEA;			turf grass best management
	Green gardening and lawn			practices (see Appendix
	care professionals;			for research draft as an
	UMASS Extension;			informational source)
	SuAsCo WCC; New			·
	England Wildflower			
	Society; MA Audubon;			
	Wild & Scenic River			
	Stewardship Council			
ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
		Sources:		
Create a Best Management	SuAsCo WCC; RPAs;	Federal grants; State	As funding becomes	Create a Best Management
Practices Workbook on	Other regional	grants; Foundation grants	available	Practices Workbook on
water pollution reduction,	collaborative groups –			water pollution reduction;
and educate communities	designated players should			Distribute workbook and
regarding those practices	work in collaboration on			hold workshops on BMPs
	this project			

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
		Sources:		
Embark on a public	Municipalities;	State grants; Municipal;	As funding becomes	Hold a media campaign on
education campaign on	Environmental	Foundation grants	available	water supply limitations
water conservation	organizations such as OAR			and water conservation
	and SRWO; Regional			strategies; Hold workshops
	organizations such as			on the "how to" and
	SuAsCo WCC and Wild &			"reasons for" water
	Scenic River Stewardship			conservation; Focus
	Council			environmental
				organization annual
				meetings and events such
				as River Visions and River
				Fest on water conservation
				education; Encourage
				municipalities to price
				water so as to encourage
				conservation
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Emboult on a mublic	SuAsCo WCC;		Almonday undomyyay and to	Continue SuAsCo WCC
Embark on a public	*	Municipal	Already underway and to	
education campaign on stormwater best	Municipalities		continue throughout the 5-	Stormwater Community
			year timeframe	Assistance Program
management practices				development of annual stormwater education and
				participation tools; Expand SuAsCo WCC Stormwater
				Community Assistance Program to more
				C
				municipalities

3.8 RECREATIONAL OPPORTUNITIES ACTIONS

➤ Goal: opportunities for people to enjoy the SuAsCo Watershed's natural attributes consistent with the needs of wildlife and other competing needs and uses

ACTION:	Participants:	Possible Funding	Timeline:	Potential Tasks:
Connect missing link along the Bay Circuithe Concord River Corridor trail, rail trained trails to tributary connections with sensitivity to their connections.	t trail, trusts; Trail advocacy groups	Sources: Federal grants; State grants; Foundation grants; Municipal; private dollars	Already underway and to continue throughout the 5-year timeframe	Acquire land to connect missing links in trail systems; Expand trail systems with sensitivity to use, habitat, abutters, etc.
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Assess and manage recreational impacts environment and nat resources	_	Federal operating budget and grants; State operating budget and grants; Municipal; Foundation grants	Already underway and to continue throughout the 5-year timeframe	Conduct study to identify environmental and natural resource impact criteria; Conduct study to assess environmental and natural resource impacts on recreational lands; Manage recreational lands in response to study results and public input
ACTION:	Participants:	Possible Funding Sources:	Timeline:	Potential Tasks:
Preserve riparian lan recreational uses suc open space, access, fishing, etc.		Federal operating budget and grants; State operating budget and grants; Municipal; Foundation grants; private dollars	Already underway and to continue throughout the 5-year timeframe	Seek funding for riparian land acquisition; Prioritize preservation of riparian land that provides uses such as open space, access, and fishing